



IFW16

RAW SEQUENCE LISTING

DATE: 08/18/2004

PATENT APPLICATION: US/09/610,551C

TIME: 10:08:26

Input Set : A:\TSRI 409.1D2.txt

Output Set: N:\CRF4\08182004\I610551C.raw

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: Barbas, Carlos F, III

7 Burton, Dennis R

8 Lerner, Richard A

10 (ii) TITLE OF INVENTION: METHODS FOR PRODUCING ANTIBODY LIBRARIES

11 USING UNIVERSAL OR RANDOMIZED IMMUNOGLOBULIN LIGHT CHAINS

13 (iii) NUMBER OF SEQUENCES: 74

15 (iv) CORRESPONDENCE ADDRESS:

16 (A) ADDRESSEE: The Scripps Research Institute

17 (B) STREET: 10550 North Torrey Pines Road, TPC8

18 (C) CITY: La Jolla

19 (D) STATE: CA

20 (E) COUNTRY: USA

21 (F) ZIP: 92037

23 (v) COMPUTER READABLE FORM:

24 (A) MEDIUM TYPE: Floppy disk

25 (B) COMPUTER: IBM PC compatible

26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

29 (vi) CURRENT APPLICATION DATA:

C--> 30 (A) APPLICATION NUMBER: US/09/610,551C

C--> 31 (B) FILING DATE: 05-Jul-2000

32 (C) CLASSIFICATION:

46 (vii) PRIOR APPLICATION DATA:

35 (A) APPLICATION NUMBER: US 07/826,623

36 (B) FILING DATE: 27-JAN-1992

39 (A) APPLICATION NUMBER: US 08/174,674

40 (B) FILING DATE: 28-DEC-1993

43 (A) APPLICATION NUMBER: US 08/300,386

44 (B) FILING DATE: 02-SEP-1994

47 (A) APPLICATION NUMBER: US 08/931,645

48 (B) FILING DATE: 16-SEP-1997

50 (viii) ATTORNEY/AGENT INFORMATION:

51 (A) NAME: Fitting, Thomas

52 (B) REGISTRATION NUMBER: 34,163

53 (C) REFERENCE/DOCKET NUMBER: TSRI 409.1

55 (ix) TELECOMMUNICATION INFORMATION:

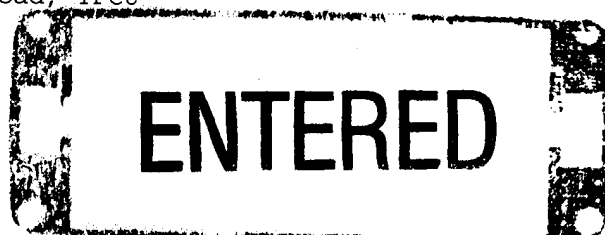
56 (A) TELEPHONE: 858-784-2937

57 (B) TELEFAX: 858-784-9399

60 (2) INFORMATION FOR SEQ ID NO: 1:

62 (i) SEQUENCE CHARACTERISTICS:

63 (A) LENGTH: 687 base pairs



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64      (B) TYPE: nucleic acid
65      (C) STRANDEDNESS: single
66      (D) TOPOLOGY: linear
68      (ii) MOLECULE TYPE: cDNA
70      (iii) HYPOTHETICAL: NO
72      (iv) ANTI-SENSE: NO
76      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
78      CTCGAGCAGT CTGGGGCTGA GGTGAAGAAG CCTGGGTCCT CGGTGAAGGT CTCCTGCAGG      60
80      GCTTCTGGAG GCACCTTCAA CAATTATGCC ATCAGCTGGG TCGACAGGC CCCTGGACAA      120
82      GGGCTTGAGT GGATGGGAGG GATCTTCCCT TTCCGTAATA CAGCAAAGTA CGCACAACAC      180
84      TTCCAGGGCA GAGTCACCAT TACCGCGGAC GAATCCACGG GCACAGCCTA CATGGAGCTG      240
86      AGCAGCCTGA GATCTGAGGA CACGGCCATA TATTATTGTG CGAGAGGGGA TACGATTTTT      300
88      GGAGTGACCA TGGGATACTA CGCTATGGAC GTCTGGGGCC AAGGGACCAC GGTCACCGTC      360
90      TCCGCAGCCT CCACCAAGGG CCCATCGGTC TTCCCCCTGG CACCCTCCTC CAAGAGCACC      420
92      TCTGGGGGCA CAGCGGCCCT GGGCTGCCTG GTCAAGGACT ACTTCCCCGA ACCGGTGACG      480
94      GTGTCGTGGA ACTCAGGCGC CCTGACCAGC GCGGTGCACA CCTTCCCGGC TGTCTACAG      540
96      TCCTCAGGAC TCTACTCCCT CAGCAGCGTG GTGACCGTGC CCTCCAGCAG CTTGGGCACC      600
98      CAGACCTACA TCTGCAACGT GAATCACAAG CCCAGCAACA CCAAGGTGGA CAAGAAAGCA      660
100     GAGCCCAAAT CTTGTGACAA AACTAGT                                     687
102     (2) INFORMATION FOR SEQ ID NO: 2:
104         (i) SEQUENCE CHARACTERISTICS:
105             (A) LENGTH: 646 base pairs
106             (B) TYPE: nucleic acid
107             (C) STRANDEDNESS: single
108             (D) TOPOLOGY: linear
110         (ii) MOLECULE TYPE: cDNA
112         (iii) HYPOTHETICAL: NO
114         (iv) ANTI-SENSE: NO
118         (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
120     GAGCTCACGC AGTCTCCAGG CACCCTGTCT TTGTCTCCAG GGGAAAGAGC CACCCTCTCC      60
122     TGCAGGGCCA GTCACAGTGT TAGCAGGGCC TACTTAGCCT GGTACCAGCA GAAACCTGGC      120
124     CAGGCTCCCA GGCTCCTCAT CTATGGTACA TCCAGCAGGG CCACTGGCAT CCCAGACAGG      180
126     TCCAGTGCCA GTGGGTCTGG GACAGACTTC ACTCTACCA TCAGCAGACT GGAGCCTGAA      240
128     GATTTTGCAG TGTACTACTG TCAGCAGTAT GGTGGCTCAC CGTGGTTCGG CCAAGGGACC      300
130     AAGGTGGAAC TCAAACGAAC TGTGGCTGCA CCATCTGTCT TCATCTTCCC GCCATCTGAT      360
132     GAGCAGTTGA AATCTGGAAC TGCCTCTGTT GTGTGCCTGC TGAATAACTT CTATCCCAGA      420
134     GAGGCCAAAG TACAGTGGAA GGTGGATAAC GCCCTCCAAT CGGGTAACTC CCAGGAGAGT      480
136     GTCACAGAGC AGGACAGCAA GGACAGCACC TACAGCCTCA GCAGCACCCCT GACGCTGAGC      540
138     AAAGCAGACT ACGAGAAACA CAAAGTCTAC GCCTGCGAAG TCACCCATCA GGGCCTGAGT      600
140     TCGCCCGTCA CAAAGAGCTT CAACAGGGGA GAGTGTTAAT TCTAGA                                     646
142     (2) INFORMATION FOR SEQ ID NO: 3:
144         (i) SEQUENCE CHARACTERISTICS:
145             (A) LENGTH: 21 base pairs
146             (B) TYPE: nucleic acid
147             (C) STRANDEDNESS: single
148             (D) TOPOLOGY: linear
150         (ii) MOLECULE TYPE: cDNA
152         (iii) HYPOTHETICAL: NO
154         (iv) ANTI-SENSE: NO

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158      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
160 GAATTCTAAA CTAGCTAGTC G                                21
162 (2) INFORMATION FOR SEQ ID NO: 4:
164      (i) SEQUENCE CHARACTERISTICS:
165          (A) LENGTH: 21 base pairs
166          (B) TYPE: nucleic acid
167          (C) STRANDEDNESS: single
168          (D) TOPOLOGY: linear
170      (ii) MOLECULE TYPE: cDNA
172      (iii) HYPOTHETICAL: NO
174      (iv) ANTI-SENSE: YES
178      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
180 ATACTGCTGA CAGTAATACA C                                21
182 (2) INFORMATION FOR SEQ ID NO: 5:
184      (i) SEQUENCE CHARACTERISTICS:
185          (A) LENGTH: 57 base pairs
186          (B) TYPE: nucleic acid
187          (C) STRANDEDNESS: single
188          (D) TOPOLOGY: linear
190      (ii) MOLECULE TYPE: cDNA
192      (iii) HYPOTHETICAL: NO
194      (iv) ANTI-SENSE: NO
198      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
200 TATTACTGTC AGCAGTATNN KNNKNNKNNK ACTTTCGGCG GAGGGACCAA GGTGGAG
202 (2) INFORMATION FOR SEQ ID NO: 6:                                57
204      (i) SEQUENCE CHARACTERISTICS:
205          (A) LENGTH: 21 base pairs
206          (B) TYPE: nucleic acid
207          (C) STRANDEDNESS: single
208          (D) TOPOLOGY: linear
210      (ii) MOLECULE TYPE: cDNA
212      (iii) HYPOTHETICAL: NO
214      (iv) ANTI-SENSE: YES
218      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
220 AATACGACTC ACTATAGGGC G                                21
222 (2) INFORMATION FOR SEQ ID NO: 7:
224      (i) SEQUENCE CHARACTERISTICS:
225          (A) LENGTH: 48 base pairs
226          (B) TYPE: nucleic acid
227          (C) STRANDEDNESS: single
228          (D) TOPOLOGY: linear
230      (ii) MOLECULE TYPE: cDNA
232      (iii) HYPOTHETICAL: NO
234      (iv) ANTI-SENSE: NO
238      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
240 TATTACTGTC AGCAGTATNN KNNKNNKNNK ACTTTCGGCG GAGGGACC
242 (2) INFORMATION FOR SEQ ID NO: 8:                                48
244      (i) SEQUENCE CHARACTERISTICS:
245          (A) LENGTH: 60 base pairs

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246          (B) TYPE: nucleic acid
247          (C) STRANDEDNESS: single
248          (D) TOPOLOGY: linear
250      (ii) MOLECULE TYPE: cDNA
252      (iii) HYPOTHETICAL: NO
254      (iv) ANTI-SENSE: NO
258      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
260 TATTACTGTC AGCAGTATNN KNNKNNKNNK NNKACTTTTCG GCGGAGGGAC CAAGGTGGAG      60
263 (2) INFORMATION FOR SEQ ID NO: 9:
265      (i) SEQUENCE CHARACTERISTICS:
266          (A) LENGTH: 51 base pairs
267          (B) TYPE: nucleic acid
268          (C) STRANDEDNESS: single
269          (D) TOPOLOGY: linear
271      (ii) MOLECULE TYPE: cDNA
273      (iii) HYPOTHETICAL: NO
275      (iv) ANTI-SENSE: NO
279      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
281 TATTACTGTC AGCAGTATNN KNNKNNKNNK NNKACTTTTCG GCGGAGGGAC C      51
283 (2) INFORMATION FOR SEQ ID NO: 10:
285      (i) SEQUENCE CHARACTERISTICS:
286          (A) LENGTH: 75 base pairs
287          (B) TYPE: nucleic acid
288          (C) STRANDEDNESS: single
289          (D) TOPOLOGY: linear
291      (ii) MOLECULE TYPE: cDNA
293      (iii) HYPOTHETICAL: NO
295      (iv) ANTI-SENSE: NO
299      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
301 GATTTTGCAG TGTATTACTG TCAGCAGTAT NNKNNKNNKN NKNNKNNKAC TTTCGGCGGA      60
303 GGGACCAAGG TGGAG      75
305 (2) INFORMATION FOR SEQ ID NO: 11:
307      (i) SEQUENCE CHARACTERISTICS:
308          (A) LENGTH: 54 base pairs
309          (B) TYPE: nucleic acid
310          (C) STRANDEDNESS: single
311          (D) TOPOLOGY: linear
313      (ii) MOLECULE TYPE: cDNA
315      (iii) HYPOTHETICAL: NO
317      (iv) ANTI-SENSE: NO
321      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
323 TATTACTGTC AGCAGTATNN KNNKNNKNNK NNKNNKACTT TCGGCGGAGG GACC      54
325 (2) INFORMATION FOR SEQ ID NO: 12:
327      (i) SEQUENCE CHARACTERISTICS:
328          (A) LENGTH: 75 base pairs
329          (B) TYPE: nucleic acid
330          (C) STRANDEDNESS: single
331          (D) TOPOLOGY: linear
333      (ii) MOLECULE TYPE: cDNA

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335     (iii) HYPOTHETICAL: NO
337     (iv) ANTI-SENSE: NO
341     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
343 GATTTTGCAG TGTATTACTG TNNKNNKNNK NNNKNNKNNK NNNKNNKNNK KTTTCGGCGGA      60
345 GGGACCAAGG TGGAG                                         75
347 (2) INFORMATION FOR SEQ ID NO: 13:
349     (i) SEQUENCE CHARACTERISTICS:
350         (A) LENGTH: 70 base pairs
351         (B) TYPE: nucleic acid
352         (C) STRANDEDNESS: single
353         (D) TOPOLOGY: linear
355     (ii) MOLECULE TYPE: cDNA
357     (iii) HYPOTHETICAL: NO
359     (iv) ANTI-SENSE: YES
363     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
365 GTTCCACCTT GGTCCCTTGG CCGAAMNNMN NMNNMNNMNN MNNMNNMNNNA CAGTAGTACA      60
367 CTGCAAAATC                                         70
369 (2) INFORMATION FOR SEQ ID NO: 14:
371     (i) SEQUENCE CHARACTERISTICS:
372         (A) LENGTH: 76 base pairs
373         (B) TYPE: nucleic acid
374         (C) STRANDEDNESS: single
375         (D) TOPOLOGY: linear
377     (ii) MOLECULE TYPE: cDNA
379     (iii) HYPOTHETICAL: NO
381     (iv) ANTI-SENSE: YES
385     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
387 GTTCCACCTT GGTCCCTTGG CCGAAMNNMN NMNNMNNMNN MNNMNNMNNM NNMNNACAGT      60
389 AGTACACTGC AAAATC                                         76
391 (2) INFORMATION FOR SEQ ID NO: 15:
393     (i) SEQUENCE CHARACTERISTICS:
394         (A) LENGTH: 94 base pairs
395         (B) TYPE: nucleic acid
396         (C) STRANDEDNESS: single
397         (D) TOPOLOGY: linear
399     (ii) MOLECULE TYPE: cDNA
401     (iii) HYPOTHETICAL: NO
403     (iv) ANTI-SENSE: YES
407     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
409 GTTCCACCTT GGTCCCTTGG CCGAAMNNMN NMNNMNNMNN MNNMNNMNNM NNMNNMNNMN      60
411 NMNNMNNMNN MNNACAGTAG TACACTGCAA AATC                                         94
413 (2) INFORMATION FOR SEQ ID NO: 16:
415     (i) SEQUENCE CHARACTERISTICS:
416         (A) LENGTH: 25 base pairs
417         (B) TYPE: nucleic acid
418         (C) STRANDEDNESS: single
419         (D) TOPOLOGY: linear
421     (ii) MOLECULE TYPE: cDNA
423     (iii) HYPOTHETICAL: NO

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VERIFICATION SUMMARY

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L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]